Statement—II

Details regarding use of rain water for agriculture and generation of energy

As per assessment made by the Central Water Commission, the country receive annual precipitation of 4000 cubic kilometres including snowfall. Of this, the seasonal rainfall (June to September) is of the order of 3000 cubic kiloihetres. The percentage or extent of utilisation of rain water for agricultural and energy purposes has not been assessed. However, the average annual flow available in rivers as a result of the annual precipitation has been assessed at 1850 cubic kilometres. Owing to the topography, hydrological and other constraints utilisable surface water is assessed at 690 cubic kilometres in addition to the annual replenishable ground water resources which is about 450 cubic kilometres. The present utilisation of water (surface and ground) is about 552 cubic kilometres leaving 588 cubic kilometres of utilisable water as unutilised.

For maximising the availability of utilisable water, the Government has prepared national perspectives for transfer of water from surplus areas to water deficit areas, which comprises of two components *viz,* Himalayan River Development component and Peninsular River Development component. National Water Development Agency is engaged in carrying out detailed studies on inter-linking of major rivers in each component. A total of 19 water transfer links under the Himalaya River Development component and 17 water transfer links under the Peninsular River Development component have been identified. Rreli-minary feasibility reports of 13 links under Peninsular River Development component have been completed so far. Studies for the Himalaya River Development have also been taken up recently.

Water requirement of Delhi

1748. DR. NARREDDY THULASI REDDY : Will the Minister of WATER RESOURCES be pleased to state :

(a) what is the water requirement of Delhi

(b) what are the various sources supplying water to Delhi and to what extent;

(c) what measures are contemplated, to meet the future water requrement of Delhi; and

(d) when will the second phase of Haiderpur water treatment plant be inaugurated ?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTER OF STATE IN THE MINISTRY OF WATER. *RESOURCES* (SHRI P. K. THUNGON); (a) According to DWS & SDU the water reQuirermenl of Delhi inclusive of all ussep of present population and floating population has been assessed as 700 MOD.

(b) Various sources supplying water to Delhi are as below :

SI. No.	Name of Water Treatment Plant	Installed Capacity (MGD)	Source of raw water
1	Chandrawal I & II	90	Surplus Ravi Beas Water through
2	Wazirabad I, II & III	120	Bhakra Canal system/River Yamuna'
3	Haiderpur WTP Phase-I	100	Surplus Ravi Beas Water through Bhakra Canal system and WYC
4.	Haiderpur WTP Phase-II, Stage-1	50	Source to yet tied up.
5.	Bhagirathi	100	River Ramganga through \JGC and pipe line from Murad Nagar
6	Ranney walls, tube walls	65	Sub-surface water
	TOTAL :	525	

(c) Short term and long term measures are cont mplated to meet future water requiremen of Delhi. A lined carrier system is proposed to be constructed from Munak Head to Haiderpur to save the conveyance looses there by augmenting the availability of raw water Negotiations are going on with Haryana and Uttar Pradesh on question of exchange of treated effluent produced by Delhi for raw water from Haryana. Additional raw water for Delhi is also planned form Renuka dam in Himachal Pradesh, Kishau and Tehri Dams in Uttar Pradesh.

(d) Stage-I (50 MGD) of Haiderpur wate, treatment plant Phase-II has been commissioned in May, 1993. The Stage-II (50 MGD) of the plaitf is yet to be commissioned.

Proposals for Construction of Irrigation Dams in Madhya Pradesh

1749. SHRI O.RAJA GOPAL : Will the Minister of WATER RESOURCES be pleased to state :

(a) the total number of proposals received by the Central Government from the State Government of Madhya Pradesh for approval / construction of irrigation dams in the State during the last three years; and the details in this regard;

(b) the proposals which have been approved by the Central Government and details in this regard; and

(c) what are the reasons for not clearing all proposals of the Madhya Pradesh Government for construction of irrigation dams and when the pending proposals with the Centre are likely to be cleared and what is their number ?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON) : (a) to (c) Out of 11 major and 4 medium irrigation projects received from the Government of Madhya Pradesh for techno-eco-nomic appraisal since 1-4-1990, 5 major projects namely, Kolar, Bargi Diversion, Sindh Phase-II, Bansagar Unit-n and Om-kareshwar Multipurpose have been techno-econotrically examined* and found aceptable by the Advisory Committee subject to compliance of certain observations such as obtaining clearances from the Ministry of Environment & Forests and Ministry of Welfare, concurrence of State Finance Department, formulation of the proposals for conjunctive use of surface and ground water etc. by the State Government. On 1 major project namely Arpa and 4 medium irrigation projects namely Mah-uar, Satiapat, Upper Beda and Uri Bagh, the State Government is required to sort out various techno-economic issues and obtain clearances from the Ministry of Environment and Forests and Ministry of Welfare as required. Remaining 5 major projects namely Lower Goi, Parbati (Ren-si), Singhpur Barrage, Gopad Mayar and Bina Complex Phase-I have been sent back to the State owing to basic deficiencies in project planning, non inclusion in the VIII Five Year Plan etc. for submission of modification reports.

The clearance of the project depends up on how soon the State Government complies with the observations of the Central Appraising Agencies and obtains clearances from the Ministry of Environment and Forests and Ministry of Welfare as required.

External Assistance for Irrigations! Projects in Andhra Pradesh

1750. DR. YELAMANCHILI SIVAJI : Will the Minister of WATER RESOURCES be pleased to state :

(a) whether there are any proposals of Andhra Pradesh pending for clearance, seeking external assistance to construct irrigation projects in the State; and

(b) if so, the details thereof and at what stage of consideration they are ?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT AND THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI P. K. THUNGON) : (a) No Sir.

(b) Does not arise,